

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for tuning a system comprising:
tuning a video tuner to a first frequency;
~~after the video tuner is tuned to the first frequency,~~ receiving a first field of video on the first frequency;
interpolating missing image data for the received first field;
after a video blanking interval is detected in a video signal on the first frequency, tuning the video tuner to a second frequency;
displaying the first field of video with interpolated missing image data on a display device;
receiving a first field of video on the second frequency;
interpolating missing image data for the received first field on the second frequency;
after a video blanking interval is detected in a video signal on the second frequency,
retuning the video tuner to the first frequency; and
displaying the second field of video with the interpolated missing image data on the display device.
~~displaying the first field of video on a display device;~~
~~after the first field of video is displayed, tuning the video tuner to a second frequency;~~
~~after the tuner is tuned to the second frequency, detecting a video blanking interval in a video signal on the second frequency;~~
~~after a video blanking interval is detected in a video signal on the second frequency,~~
~~receiving a first field of video on the second frequency; and~~
~~displaying the first field of video on said second frequency, on said display device;~~
~~after the first field of video on the second frequency is displayed, tuning the video tuner to the first frequency and detecting a video blanking interval in the video signal on the first frequency;~~
~~receiving a second field of video broadcast on the first frequency;~~
~~interpolating video data between the first field of video on the first frequency and the second field of video on the first frequency;~~
~~displaying the interpolated video data on a display device; and~~

~~displaying the second field of video data on the first frequency.~~

2. (canceled)

3. (previously presented) The method of claim 1 further comprising:
providing a second frequency indicator to the video tuner prior to the step of tuning the video tuner to a second frequency.

4. (original) The method of claim 3, wherein the step of providing includes providing the second frequency indicator in less than approximately 1.2 milliseconds.

5. – 12. (canceled)

13. (withdrawn) A system comprising:
a first prelude register having an output;
a first control register coupled to the output of the first prelude register, the first control register having an output ;
a second prelude register having an output;
a second control register coupled to the output of the first prelude register, the second control register having an output ;
a first oscillator coupled to the output of the first control register, the first oscillator to provide an output signal;
a second oscillator coupled to the output of the second control register, the second oscillator to provide an output signal ;
a first mixer to coupled to an antenna and to receive the output of the first oscillator and to provide an output signal; and
a second mixer coupled to receive the output signal from the first mixer and the output signal from the second oscillator, and to provide an output signal.

14. (withdrawn) The system of claim 13 further comprising:

an analog-to-digital converter coupled to receive the output signal from the second mixer and providing a digital output; and

a video decoder coupled to receive the digital output from the analog-to-digital converter, and to provide a digital video output.

15. (withdrawn) The system of claim 14 further comprising:

a display engine coupled to receive the digital video output to a display device.

16. (withdrawn) The system of claim 13, further comprising:

a memory coupled to receive the digital video output.

17. (withdrawn) The system of claim 13, wherein the memory includes a cache memory.

18. (withdrawn) The system of claim 13, wherein the memory includes a video memory.

19. (withdrawn) The system of claim 13, wherein the memory includes a system memory.

20. (withdrawn) A system comprising:

a first register having an output;

a second register having an output;

a third register having an output;

a fourth register having an output;

a first multiplexor having a first input coupled to the output of the first register, a second input coupled to the output of the second register, a select input, and an output;

a second multiplexor having a first input coupled to the output of the third register, a second input coupled to the output of the fourth register, a select input, and an output;

a first oscillator coupled to the output of the first multiplexor, the first oscillator to provide an output signal;

a second oscillator coupled to the output of the second multiplexor, the second oscillator to provide an output signal ;

a first mixer to coupled to an antenna and to receive the output of the first oscillator and to provide an output signal; and

a second mixer coupled to receive the output signal from the first mixer and the output signal from the second oscillator, and to provide an output signal.

21. (new) The method of claim 1 wherein interpolating missing image data for each of the received first field on the first frequency and the first field on the second frequency, includes interpolating data based on previously or subsequently received fields of data.